

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 11305360  
PUBLICATION DATE : 05-11-99

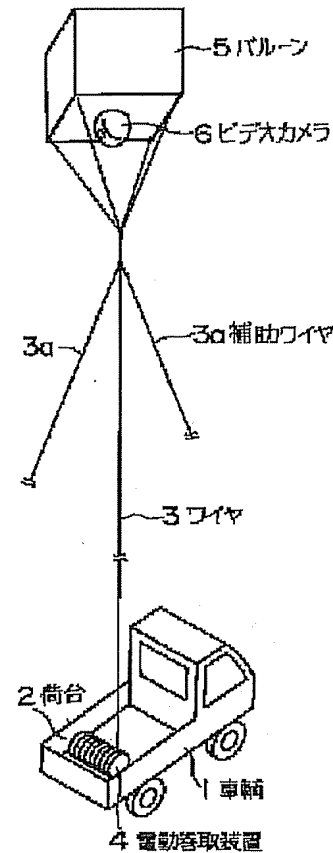
APPLICATION DATE : 27-04-98  
APPLICATION NUMBER : 10117242

APPLICANT : TAMAGAWA SEIKI CO LTD;

INVENTOR : KATSUNO KAORU;

INT.CL. : G03B 37/00 B60P 3/00 B66D 1/60

TITLE : VIDEO DEVICE HUNG BY BALLOON  
PUT UP FROM VEHICLE



ABSTRACT : PROBLEM TO BE SOLVED: To rapidly execute aerial image pickup by providing a balloon at the edge of a wire provided on a vehicle and providing a video camera in the balloon.

SOLUTION: A motor-driven take-up device 4 capable of freely winding or unwinding a wire 3 is provided in the load-carrying platform 2 of a vehicle 1. A balloon 5 is provided at the end of the wire 3 and the video camera 6 capable of being freely tilted and panned is provided at the lower part of the balloon 5. An image transmitter is attached to the camera 6 and performs radio transmission to an image receiver equipped with a remote controller provided in the vehicle 1. When the vehicle 1 arrives at a field, the camera 6 is actuated immediately and set in a remote controllable state. When the device 4 is actuated to unwind the wire 3, the balloon 5 rises upward, and an image is taken by the image receiver in the vehicle 1 by the remote controller in the vehicle 1, then the image is radio-transmitted from the vehicle 1 to a near station or base.

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PN - JP2001032538 A 20010206  
TI - WORKING SCAFFOLD  
FI - B64B1/50 ; E04G27/00  
PA - MITSUBISHI ELECTRIC BUILDING T  
IN - MATSUI YASUO  
AP - JP19990210724 19990726  
PR - JP19990210724 19990726  
DT - I

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AN - 2001-222921 [23]  
TI - Scaffolding for construction work in outer wall of building, has riding basket hung by balloon and is movable horizontally and vertically by respective anchors along wall surface  
AB - JP2001032538 NOVELTY - A balloon is provided above the roof and a horizontal movement roof guide anchor (20) tows the balloon horizontally along the wall surface (3). The riding basket is hung from balloon and is elevatably provided. The horizontal movement guide anchor (10) is provided to move riding basket horizontally along the wall surface.  
- USE - For construction work in outer wall of building.  
- ADVANTAGE - Horizontal movement of riding basket is easily and quickly performed, as the horizontal movement of balloon and riding basket is performed by guide anchors. Avoids substitution of wire in reinstallation operation and increases productivity.  
- DESCRIPTION OF DRAWING(S) - The figure shows the component conceptual diagram of scaffolding for construction work.  
- Wall surface 3  
- Anchors 10,20  
- (Dwg.1/7)  
IW - SCAFFOLDING CONSTRUCTION WORK OUTER WALL BUILD RIDE BASKET HUNG BALLOON MOVE HORIZONTAL VERTICAL RESPECTIVE ANCHOR WALL SURFACE  
PN - JP2001032538 A 20010206 DW200123 E04G27/00 006pp  
IC - B64B1/50 ;E04G27/00  
DC - Q25 Q46  
PA - (MITQ ) MITSUBISHI DENKI BUIL TECHNO SERVICE KK  
AP - JP19990210724 19990726  
PR - JP19990210724 19990726

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PN - JP2001032538 A 20010206  
TI - WORKING SCAFFOLD  
AB - PROBLEM TO BE SOLVED: To provide a working scaffold suspended by a balloon.  
- SOLUTION: The working scaffold has a balloon 30 sent up to the upper section of a roof floor, lateral-movement roof-floor anchor means 20 pulling the balloon 30 and being disposed on the roof floor laterally movably along a work predetermined wall surface 3, a cage 31 hung down from the balloon 30 and positioned in a vertically movable manner to the work predetermined wall surface 3, and a lateral-movement ground-surface anchor means 10 pulling the cage 31 and being disposed laterally movably on a ground surface along the work predetermined wall surface 3.  
I - E04G27/00 ;B64B1/50  
PA - MITSUBISHI ELECTRIC BUILDING TECHNO SERVICE CO LTD  
IN - MATSUI YASUO  
ABD - 20010605  
ABV - 200019  
AP - JP19990210724 19990726